

vide the functionality of the respective entities as disclosed herein. According to other embodiments, any suitable entity disclosed herein may be provided in hardware. According to other—hybrid—embodiments, some entities may be provided in software while other entities are provided in hardware.

**[0066]** It should be noted that any entity disclosed herein (e.g. components, units and devices) are not limited to a dedicated entity as described in some embodiments. Rather, the herein disclosed subject matter may be implemented in various ways and with various granularities on device level while still providing the desired functionality. Further, it should be noted that according to embodiments a separate entity (e.g. a software module, a hardware module or a hybrid module) may be provided for each of the functions disclosed herein. According to other embodiments, an entity (e.g. a software module, a hardware module or a hybrid module (combined software/hardware module)) is configured for providing two or more functions as disclosed herein.

**[0067]** It should be noted that the term “comprising” does not exclude other elements or steps. It may also be possible in further refinements of the invention to combine features from different embodiments described herein above. It should also be noted that reference signs in the claims should not be construed as limiting the scope of the claims.

**1.** A method for reducing interference between a first digital subscriber line and a second digital subscriber line, comprising the steps of:

- determining line characteristics of the second digital subscriber line,
- reducing a transmission power of the first digital subscriber line based on the line characteristics of the second digital subscriber line.

**2.** The method according to claim **1**, wherein the determination of the line characteristics of the second digital subscriber line is performed by means of a line testing method.

**3.** The method according to claim **1**, wherein the determination of the line characteristics of the second digital subscriber line is performed by means of a dual-ended line testing method.

**4.** The method according to claim **1**, wherein the reduction of the transmission power of the first digital subscriber line is performed in at least one frequency spectrum.

**5.** The method according to claim **4**, wherein the at least one frequency spectrum is determined based on the line characteristics of the second digital subscriber line.

**6.** The method according to claim **1**, wherein the line characteristics of the second digital subscriber line comprise a line attenuation.

**7.** The method according to claim **6**, wherein the frequency spectrum is determined based on the line attenuation of the second digital subscriber line.

**8.** The method according to claim **2**, wherein the transmission power of the first digital subscriber line is reduced in the context of a power back-off method.

**9.** A communication system comprising means arranged such that all steps of a method according to claim **1** can be performed.

**10.** A device comprising means for reducing interference between a first digital subscriber line and a second digital subscriber line by reducing a transmission power of the first digital subscriber line based on line characteristics of the second digital subscriber line.

**11.** The device according to claim **10**, further comprising means for performing a line testing method for determining the line characteristics of the second digital subscriber line.

**12.** The device according to claim **10**, further comprising means for receiving the line characteristics determined by or in collaboration with a further device.

**13.** The device according to claim **10**, wherein the device is a digital subscriber line access multiplexer.

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